INTERNATIONAL SEARCH REPORT

International application No. PCT/CN2004/000169

A. CLASSIFICATION OF SUBJECT MATTER

G01N33/543, C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

PC': G01N33/543,C12Q1/68, G01N33/68, G01N33/53, G01N33/50, G01N33/48, C12Q1/00, G01N33/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Chinese patent documents(1985~)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CNPAT&CNKI&WPI&EPODOC & PAJ: gene chip, biochip, DNA chip, microarray(s), micro array(s)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.				
Y	CN, Y, 2280908 (Gao Jinsong) 06.May.1998 (06.05.1998), Page 1-2, Fig.1-3	50、51			
X Y A	CN, A, 1273609 (HYSEQ INC) 15.Nov.2000 (15.11.2000), Page3-5, 13-28, 67-73, Claims	36、37、59 50-53 38-42、57、58			
Y	CN, A, 1274758 (Lu Zuhong) 29.Nov.2000 (29.11.2000), Page3-10, Fig.1.				
A Y A	2 CN, A, 1281147 (Wu Chang) 24.Jan.2001 (24.01.2004), Page1	1-40、43-46、55、56 52、53 1-35			
X Y A	CN, A, 1335501 (SHANGHAI JINGTAI BIOLOGICAL TECHNOLOGY COMPANY) 13.Feb.2002 (13.02.2002), Page1-4, Fig.1-3				

☑ Further documents are listed in the continuation of Box C. ☑ See patent family annex.

- Special categories of cited documents:
- document defining the general state of the art which is not considered to be of particular relevance
- earlier application or patent but published on or after the international filing date
- document which may throw doubts on priority claim (S) or which is cited to establish the publication date of another citation or other special reason (as specified)
- document referring to an oral disclosure, use, exhibition or
- document published prior to the international filing date but later than the priority date claimed
- later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the
- document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search 07.Jul.2004(07.07.2004)

Date of mailing of the international search report 2 2 · JUL 2004 (2 2 · 0 7 · 2 0 0 4)

Name and mailing address of the ISA/CN 6 Xitucheng Rd., Jimen Bridge, Haidian District, 100088 Beijing, China

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Facsimile No. 86-10-62019451 Form PCT/ISA /210 (second sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CN2004/000169

C (Continuat	ion). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	CN, A, 1343790 (HENAN PROV BIO TECHNOLOGY DEV CENT) 10.Apr.2002	61
	(10.04.2002), Page1-3, Fig.1-3	52 52
Y	Jornal of Mechanical Strength, Vol.23, No.4, 2001, Cui Dafu"DNA chips research	1-35、41-42
4.	based on bioMEMS technologies", Page471-475	1-331 41-42
ĸ	WO, A1, 02090963 (Combimatrix Corporation) 14. Nov. 2002 (14.11.2002), Page 8.	59
<u>,</u>	9, Fig.1	1-58、60
	CN, A, 1314493 (SHANGHAI BODAO GENE DEV CO LTD) 26.Sep.2001	1-56
1	(26.09.2001), The whole document	1-56
Ą	CN,A,1325026(ChongQing University)03.Dec.2001(03.12.2001), The	
PA.	document CN,A,1417348(Union Gene Technology LTD.)14.May.2003(14.05.2003),The whole	1-59
PA	document Kuachang Science & Technology	
A A	137D.115.Oct.2003(15.10.2003). The whole document US,A, 5545531 (Richard P. Rava etal.) 13.Aug.1996(13.08.1996), The whole	1-56
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A	US,A1,2002009728(Michael Bittner etal.)24.Jan.2002(24.01.2002),The whole	
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International application No. PCT/CN2004/000169

Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
1. Clai	tional search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: ims Nos.: ecause they relate to subject matter not required to be searched by this Authority, namely:
beca	ims Nos.: ause they relate to parts of the international application that do not comply with the prescribed requirements to such an ent that no meaningful international search can be carried out, specifically:
_	ims Nos.: excause they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)
Box No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
Claims1-56	tional Searching Authority found multiple inventions in this international application, as follows: and claims 57-60 and claim61. Claims 1-56 relate to a chip for analysis, a top component or a base component of the chip, te. Claims 57-60 relate to a qualitative or quantitative analysis. Claim 61 relates to a detection equipment.
clai	
	all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment any additional fee.
_	only some of the required additional search fees were timely paid by the applicant,this international search report covers ly those claims for which fees were paid, specifically claims Nos.:
	required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on	protest

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INTERNATIONAL SEARCH REPORT Information on patent family members

International application No. PCT/CN2004/000169

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Patent document cited in search report	Publication date	Patent family member(s)	Publication Date
CN. Y, 2280908	06.May.1998	NONE	
CN, A, 1273609	15.Nov.2000	US , A1, 2003108897	12.Jun.2003
		WO , A1, 9909217	25.Feb.1999
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		US , A , 2002018991	14.Feb.2002
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